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PATENT
Customer No. 22,852
Attorney Docket No. 8790.0003-00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
John P. DONOGHUE et al.) Group Art Unit: 3736
)
Application No.: 09/991,498) Examiner: Unassigned
)
Filed: November 14, 2001)
)
For: NEUROLOGICAL SIGNAL) Confirmation No.: 8186
)
DECODING)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97(b)

Supplemental to the Information Disclosure Statement filed on September 3, 2003, and pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached IDS Form PTO/SB/08. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign patent documents and non-patent documents are enclosed. Copies of the listed U.S. patent documents are not enclosed. Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached IDS Form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed

documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Patent Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

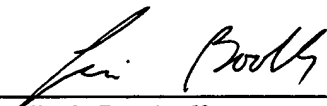
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: July 15, 2005

By: _____


Leslie I. Bookoff
Reg. No. 38,084

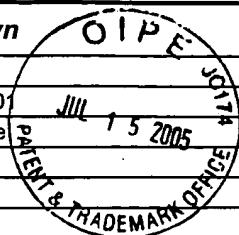
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	09/991,498
Filing Date	November 14, 2001
First Named Inventor	John P. Donoghue
Art Unit	3736
Examiner Name	Unassigned
Attorney Docket Number	8790.0003-00

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-2002/0077620	06-20-2002	Sweeney et al.	
		US-2003/0004428	01-02-2003	Pless et al.	
		US-2003/0082507	05-01-2003	Stypulkowski	
		US-2003/0083724	05-01-2003	Jog et al.	
		US-3,837,339	09-24-1974	Aisenberg et al.	
		US-3,850,161	11-26-1974	Liss	
		US-4,055,175	10-25-1977	Clemens et al.	
		US-4,146,029	03-27-1979	Ellinwood, Jr.	
		US-4,294,245	10-13-1981	Bussey	
		US-4,360,031	11-23-1982	White	
		US-4,633,889	01-6-1987	Talalla et al.	
		US-4,690,142	09-1-1987	Ross et al.	
		US-4,837,049	06-6-1989	Byers et al.	
		US-4,865,048	09-12-1989	Eckerson	
		US-4,883,666	11-28-1989	Sabel et al.	
		US-4,969,468	11-13-1990	Byers et al.	
		US-5,081,990	01-21-1992	Deletis	
		US-5,119,832	06-09-1992	Xavier	
		US-5,156,844	10-20-1992	Aebischer et al.	
		US-5,423,877	06-13-1995	Mackey	
		US-5,445,608	08-29-1995	Chen et al.	
		US-5,458,631	10-17-1995	Xavier	
		US-5,474,547	12-12-1995	Aebischer et al.	
		US-5,697,951	12-16-1997	Harpstead et al.	
		US-5,702,432	12-30-1997	Chen et al.	
		US-5,713,923	02-03-1998	Ward et al.	
		US-5,797,898	08-25-1998	Santini, Jr. et al.	
		US-5,814,089	09-29-1998	Stokes et al.	
		US-6,086,582	06-11-2000	Altman et al.	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/991,498
Filing Date		November 14, 2001			
First Named Inventor		John P. Donoghue			
Art Unit		3736			
Examiner Name		Unassigned			
Attorney Docket Number		8790.0003-00			

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 JUL 15 2005
 PATENT & TRADEMARK OFFICE

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U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-6,091,015	07-18-2000	del Valle et al.	
		US-6,094,598	07-25-2000	Elsberry et al.	
		US-6,263,237	07-17-2001	Rise	
		US-6,309,410	10-30-2001	Kuzma et al.	
		US-6,313,093	11-06-2001	Frey, II	
		US-6,319,241	11-20-2001	King et al.	
		US-6,356,784	03-12-2002	Lozano et al.	
		US-6,366,813	04-02-2002	DiLorenzo	
		US-6,436,708	08-20-2002	Leone et al.	
		US-6,480,743	11-12-2002	Kirkpatrick et al.	
		US-6,577,893	06-10-2003	Besson et al.	
		US-6,620,415	09-16-2003	Donovan	

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁸
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 01/43635	06-21-2001	Partha		
		WO 01/60445	08-23-2001	Neurodan A/S		
		WO 01/93756 A2	12-13-2001	Nexan Limited		
		WO 02/093312 A2	11-21-2002	Hill-Rom Services, Inc.		
		WO 02/100267 A1	12-19-2002	Compumedics Limited		
		WO 03/061465 A2	07-31-2003	GMP Companies, Inc.		

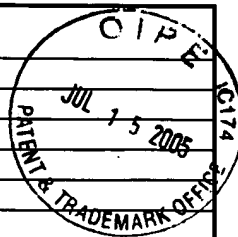
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁸
		Jose M. Carmena et al., "Learning to Control a Brain-Machine Interface for Reaching and Grasping by Primates," PLOS Biology, Vol. 1, Issue 2, October 13, 2003, pp 1-16	

Examiner Signature		Date Considered	
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2 of 3

IDS Form PTO/SB/08: Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/991,498
		Filing Date	November 14, 2001
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		Art Unit	3736
		Examiner Name	Unassigned
		Attorney Docket Number	8790.0003-00
Sheet	3	of	3



NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		Libet, Benjamin, "Unconscious Cerebral Initiative and the Role of Conscious Will in Voluntary Action," The Behavioral and Brain Sciences 1995) 8, pp. 529-566	
		Norretranders, Tor, "The User Illusion," Penguin Books, 1991, Chapter 12, pp. 310-328	
		Mohammad Mojarradi, "A Miniaturized Neuroprosthesis Suitable for Implantation Into the Brain," IEEE Transactions on Neural Systems and Rehabilitation Engineering, Vol. 11, No. 1, March 2003	
		Morten K. Haugland et al., "Cutaneous Whole Nerve Recordings Used for Correction of Footdrop in Hemiplegic Man," IEEE Transactions on Neural Systems and Rehabilitation Engineering, Vol. 3, No. 4, December 1995	
		Miguel A. L. Nicolelis, "Brain-Machine Interfaces to Restore Motor Function and Probe Neural Circuits," Nature Reviews, Neuroscience, Vol. 4, May 2003, pp. 417-422	

¹ Applicant's unique citation designation number (optional).

² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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